

In reply
refer to;

OFFICE OF THE POST MEDICAL INSPECTOR
STATION HOSPITAL

TSC/ml

721.5

Fort Huachuca, Arizona,
3 July, 1943.

SUBJECT: Monthly Sanitary Report.

TO : The Commanding Officer, Fort Huachuca, Arizona.
Thru: The Director, Medical Division.

1. In compliance with Par. 1c, AP 40-275, as amended by Section III War Department Circular No. 114, dated June 13, 1941 and letter, the Surgeon General, file 721.5 subject as above, and War Department Circular Letter No. 76, file SPMCA, dated July 27, 1942, the following report on sanitary conditions of the command for the month of June, 1943, is submitted:

a. ENVIRONMENTAL SANITATION

(1) Water Supply

- (a) Adequacy of supply. Water supply was adequate during the month. As was the case during May, the flow from the springs was very low and practically the total supply was obtained from the deep wells. The drought was broken by rains which started on June 28, so that an increased flow from the spring sources is anticipated for the coming month. Pumping, storage, and distribution facilities serving the Old Post are still inadequate for complete safety.
- (b) Consumption data (Potable water)

| | |
|----------------------------|---------|
| Average daily consumption | 2.6 MGD |
| Minimum daily consumption | 1.8 MGD |
| Maximum daily consumption | 3.2 MGD |
| Average per capita per day | 110 GAL |

- (c) Bacteriology. Samples of raw water from the springs still show evidence of contamination, but samples of the chlorinated water distributed are satisfactory. Results of analyses are summarized below:

(1) Raw Water

| Source of Sample | Potable | Non-P | Questionable |
|----------------------------------|-----------|-----------|--------------|
| Garden & Huachuca Canyon Springs | 0 | 10 | 0 |
| Wells | <u>14</u> | <u>0</u> | <u>4</u> |
| Total Raw Water | <u>14</u> | <u>10</u> | <u>4</u> |

m.w.

(2) Chlorinated water from distribution systems:

| Source of sample | Potable | Non-P | Questionable |
|-------------------|---------|-------|--------------|
| Cantonment | 9 | 0 | 1 |
| Old Post | 5 | 0 | 0 |
| Civilian Housing | 4 | 0 | 0 |
| Total chlorinated | 18 | 0 | 1 |

PPM chlorine residual: Max 0.75 Min 0.2 Aver 0.42

(2) Sewage treatment

- (a) General. All sewage was treated during the month. Plant No. 1 was operated during the most of the month with only one of the two sedimentation tanks in service, since equipment in the other tank was being repaired.

| (b) <u>Flows treated</u> | <u>Plant No. 1</u> | <u>Plant No. 2</u> |
|--------------------------|--------------------|--------------------|
| Maximum rate | 1.40 MGD | 2.03 MGD |
| Minimum rate | 0.03 MGD | 0.11 MGD |
| Average per month | 0.51 MGD | 0.80 MGD |

(c) Efficiency of treatment (Monthly averages):

| | <u>Plant No. 1</u> | | <u>Plant No. 2</u> | |
|------------------|---------------------|------------|---------------------|------------|
| | <u>Susp. Solids</u> | <u>BOD</u> | <u>Susp. Solids</u> | <u>BOD</u> |
| Raw sewage | 170 ppm | 200 ppm | 155 ppm | 192 ppm |
| Primary effluent | 92 ppm | 68 ppm | 40 ppm | 94 ppm |
| Reduction | 46 % | 66 % | 74 % | 51 % |

(3) Milk

Milk produced by the Post Dairy Farm was satisfactory. This farm is now supplied with chlorinated water.

(4) Garbage

Disposal of garbage by burying in pits is satisfactory.

(5) Insect and Rodent Control

Two barracks have been fumigated to eliminate bedbugs. Freon-aerosol cylinders, pyrethrum flowers and powdered borax have been used for roach control.

(6) Food Supplies

See Supplementary Report No. 1

(7) Other phases of Environmental Sanitation

Two swimming pools are in operation; better chlorinating equipment is required and this is now on order.

b. PERSONAL HYGIENE:

See Venereal Disease Supplementary Report No. 2, which will be forwarded under separate cover.

c. ACUTE COMMUNICABLE DISEASE:

The incidence of mumps has been greatly reduced during the month and other diseases remain at low levels. See Supplementary Report No. 3.

d. MONTHLY VETERINARY SANITARY REPORT:

See Supplementary Report No. 4

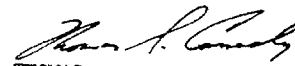
e. ADMINISTRATIVE MEASURES AND DEVICES:

None

f. RECOMMENDATIONS:

None

Incls: MD Form 95 - 47
Supplementary Reports
1, 3, and 4.


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